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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Van Steenkiste et al..

Group Art Unit 1762

Attorney Docket Number **DP-306711CIP1**

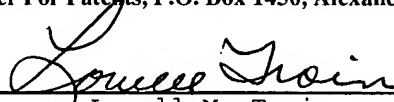
Serial No. 10/616,490

Filed: July 9, 2003

Title: Spray System With Combined Kinetic Spray And Thermal Spray Ability

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: MS: DD, Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

4-21-2005


Lowell M. Train

STATEMENT ACCOMPANYING

INFORMATION DISCLOSURE STATEMENT

Applicant(s) requests the Examiner to consider and make of record the reference(s) and/or information on attached PTO 1449.

CHECK ONE: (A, B, or C.)

☐ A. This statement is submitted within 1) three months after the filing date (even if after the first action); or 2) within three months of the date of entry of the national stage or 3) before the mailing date of a first Office Action. No fee or statement is required.

☒ B. This statement is submitted after the period specified in para. A, but before Final Office Action or Notice of Allowance or the close of prosecution.

CHECK ONE: (1, 2, or 3)

- ☐ 1. I hereby state that each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or
- ☐ 2. I hereby state that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56 (c) more than three months prior to the filing of the information disclosure statement.
- ☐ 3. Charge the fee set forth in § 1.17(p) to Delphi Technologies, Inc. Deposit Account No. 50-0831.
- ☐ C. This statement is submitted after a Final Office Action or Notice of Allowance or the close of prosecution, but before payment of the issue fee. Charge the fee set forth in § 1.17(p) to Delphi Technologies, Inc. Deposit Account No. 50-0831.

CHECK ONE: (1 or 2)

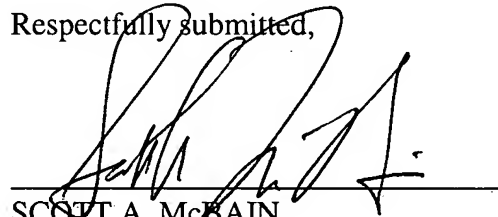
- ☐ 1. I hereby state that each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or
- ☐ 2. I hereby state that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56 (c) more than three months prior to the filing of the information disclosure statement.

REMARKS UNDER 1.98 (a)(3)

The non-English language documents submitted herewith are relevant because they disclose spray coating of articles.

Please consider the attached reference(s) which have come to the attention of Applicants since the last submission of an IDS. If any fee should be required, please charge the appropriate fee to Delphi Technologies, Inc. Deposit Account No. 50-0831.

Respectfully submitted,

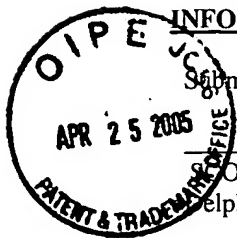
A handwritten signature in black ink, appearing to read 'Scott A. McBain', is written over a horizontal line.

SCOTT A. McBAIN

Reg. No. 37,181

Telephone (248) 813-1235

enc: PTO 1449



INFORMATION DISCLOSURE CITATION WITH DOCUMENT COPIES

Submitted by:	Atty. Docket No.	Serial No.
ROTT A. MCBAIN	DP-306711 CIP1	10/616,490
Delphi Technologies, Inc.,	Applicant	
	Van Steenkiste et al.	
Reg. No. 37181	Filing Date	Group
	July 9, 2003	1762

U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Sub Class	Filing Date (if approp.)
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	3,100,724	08/14/1964	Rocheville			
	3,876,456	04/08/1975	Ford, et al			
	3,993,411	11/23/1976	Babcock, et al.			
	3,996,398	12/1976	Manfredi			
	4,263,335	04/21/1981	Wagner, et al.			
	4,416,421	11/22/1983	Browning, et al.			
	4,606,495	08/19/1986	Stewart, Jr., et al.			

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes No
03009934	02/06/2003	WO			Yes
04180770	06/26/1992	JP			Abstract Only
04243524	08/31/1992	JP			Abstract Only

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Van Steenkiste, et al; Kinetic Spray Coatings; in Surface & Coatings Technology III; 1999, pp62-71

Liu, et al; Recent Development In the Fabrication of Metal Matrix-Particulate Composites Using Powder Metallurgy Techniques, in Journal of Material Science; 1994; pp 1999-2007; National University of Singapore, Japan

Papyrin; The Cold Gas-Dynamic Spraying Method A New Method For Coatings Deposition Promises A New Generation of Technologies, Novosibirsk, Russia

McCune, et al; Characterization of Copper And Steel Coatings Made By The Cold Gas-Dynamic Spray Method; National Thermal Spray Conference

Examiner

[Date Considered]

***Examiner: Initial if reference considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.**

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Reg. No. 37181		

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Exam. Init.	Document Number	Date	Name	Class	Sub Class	Filing Date (if approp.)
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	4,939,022	07/03/1990	Palanisamy			
	5,187,021	02/16/1993	Vydra, et al			
	5,217,746	06/1993	Lenling, et al			
	5,271,965	12/21/1993	Browning			
	5,302,414	04/12/1994	Alknimor, et al			
	5,308,463	05/03/1994	Hoffmann, et al			
	5,340,015	08/23/1994	Hira, et al.			

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Document Number	Date	Country	Class	Subclass	Translation Yes No
42 36 911	12-23-1993	Germany			No
55031161	03-05-1980	Japan			Abstract Only
61249541	11-06-1986	Japan			Abstract Only

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| Alkhimov, et al; A Method of "Cold" Gas-Dynamic Deposition; Sov. Phys. Kokl. 36 (12; December 1990; pp. 1047-1049

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| Davis, et al; Thermal Conductivity of Metal-Matrix Composites; J. Appl. Phys. 77(10), May 15, 1995; pp.4494-4960

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	5,395,679	03/07/1995	Myers, et al.			
	5,242,101	06/13/1995	Atkins, et al.			
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	5,476,725	12/19/1995	Papich, et al.			
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	5,527,627	06/18/1996	Lautzenhiser, et al.			
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| Rajan, et al; Reinforcement coatings and interfaces in Aluminum Metal Matrix Composites; pp. 3491-3503.

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	5,593,740	01/14/1997	Strumbon, et al.			
	5,648,123	07/15/1997	Kuhn, et al.			
	5,683,615	11/04/1997	Munoz			
	5,795,626	08/18/1998	Grabel, et al.			
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	5,887,335	03/30/1999	Garshells			
	5,889,215	03/30/1997	Kilmartin, et al.			

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101 26 100	12/05/2002	Germany			No
1 160 348	12/05/2001	EP			Yes
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Ibrahim, et al; Particulate Reinforced Matrix Composites – A Review; Journal of Materials science 26; pp. 1137-1156.

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Boley, et al; The Effects of Heat Treatment on the Magnetic Behavior of Ring - Type Magnetoelastic Torque Sensors; Proceedings of Sicon '01; November 2001.

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McCune, et al; An Exploration of the Cold Gas-Dynamic Spray Method...; Proc. Nat. Thermal Spray Conf. ASM 9/1995.

Pavel Ripka, et al; Pulse Excitation of Micro-Fluxgate Sensors, IEEE Transactions on Magnetics, Vol. 37, No. 4, July 2001, pp. 1998-2000.

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	6,159,430	12/12/2000	Foster			
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| Trifon M. Liakopoulos, et al; Ultrahigh Resolution DC Magnetic Field Measurements Using Microfabricated Fluxgate Sensor Chips, University of Cincinnati, Ohio, Center For Microelectronic Sensors and MEMS, Dept. of ECECS pp. 630-631.

| Derac Son, A New Type of Fluxgate Magnetometer Using Apparent Coercive Field Strength Measurement, IEEE Transactions on Magnetics, Vol. 25, No. 5, September 1989, pp.3420-3422

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| Moreland, Fluxgate Magnetometer, Carl W. Moreland, 1999-2000, pp. 1-9.

| Ripka, et al; Symmetrical Core Improves Micro-Fluxgate Sensors, Sensors and Actuators, Version 1, August 25, 2000, pp. 1-9.

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	6,402,050	06/11/2002	Subramanian, et al			
	6,422,039	08/27/2002	Schreiber			
	6,422,360	07/26/2002	Oliver, et al.			
	6,465,039	10/15/2002	Pinkerton, et al.			
	6,485,852	11/26/2002	Miller, et al.			

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| Ripka, et al; Microfluxgate Sensor With Closed Core, submitted for Sensors and Actuators, Version 1, June 17, 2000.

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	6,623,704	09/23/2003	Roth			
	6,623,796	09/23/2003	Van Steenkiste, et al.			
	6,624,113	09/23/2003	LaBarge, et al.			
	2002/ 0071906	06/2002	Rusch			
	2002/ 0102360	08/01/2002	Subramanian, et al.			
	2002/ 0112549	08/22/2002	Cheshmehdoost, et al			

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